

GymSlug Installation

About:

Will give detailed instructions on how to properly install GymSlug Repository with appropriate libraries

Prerequisite:

- Have Ubuntu Server (any version is fine)
- <https://github.com/CMU-BORG/GymSlug>

Instructions:

1. Open Command Line in Ubuntu
2. Create an Anaconda environment
 - a. `conda create -n GymSlug python=3.7`
 - b. Respond with yes to all questions
3. `conda activate GymSlug` # this will bring you to the GymSlug environment. Always enter this environment if you want to run GymSlug
4. Clone GymSlug Repo
 - a. Download zip from [GitHub](#)
 - b. Move zipped file to home page
 - c. `unzip GymSlug-main`
 - d. `cd GymSlug-main`
 - e. `cd GymSlug`
 - f. `!pip install -e .`
5. Install the following libraries
 - a. `pip install gym==17.3`
 - b. `pip install stable-baselines[mpi]` # will get an error saying that mpi4py could not be installed, can ignore for now
 - c. `pip install tensorflow==1.15.0`
 - d. There should still be issues with the versions that need to be used
 - i. `sudo apt --fix-broken install`
 - ii. `sudo apt install mpich`
 - iii. `pip install mpi4py`
 - iv. `pip install protobuf==3.20.1`
 - e. If there are still errors, make sure you confirm library version with `usage.ipynb`
6. Create a python file to run GymSlug # can just copy code from `usage.ipynb`
7. Run file and wait approximately 30 min for results